

L69 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1993:501460 CAPLUS
 DN 119:101460
 BD Entered STN: 04 Sep 1993
 TI Binders for sand foundry molds
 IN Li, Youfa
 PA Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese
 IC ICM B22C001-24
 CC 56-2 (Nonferrous Metals and Alloys)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1066613	A	19921202	CN 1991-107048	19910515 <--
PRAI	CN 1991-107048		19910515		
AB	The binders contain heavy oils 33, rape oil residues (castor oil residues or tung oil residues) 33, diesel 20, tung oil 10, Fe naphthenate (or Zn naphthenate) 3.5, H2SO4 0.3, FeS2 0.1, and phthalocyanine blue 0.1%. The binders have advantage of low cost and are suitable for molds for casting of cast iron and cast steel.				
ST	sand foundry mold binder; heavy oil sand mold binder; rape oil sand mold binder; diesel sand foundry mold binder; tung oil sand mold binder; iron naphthenate san mold binder; sulfuric acid sand mold binder; sulfide iron sand mold binder; phthalocyanine blue sand mold binder				
IT	Fuels, diesel Tung oil RL: USES (Uses) (binders containing, for sand foundry molds)				
IT	Castor oil Rape oil RL: USES (Uses) (residues, binders containing, for sand foundry molds)				
IT	Molds (forms) (sand, binders for)				
IT	Petroleum products (heavy oils, binders containing, for sand foundry molds)				
IT	Naphthenic acids, compounds RL: USES (Uses) (iron salts, binders containing, for sand foundry molds)				
IT	Naphthenic acids, compounds RL: USES (Uses) (zinc salts, binders containing, for sand foundry molds)				
IT	147-14-8, Phthalocyanine blue 7664-93-9, Sulfuric acid, uses 12068-85-8, Iron sulfide (FeS2) RL: USES (Uses) (binders containing, for sand foundry molds)				
RN	147-14-8				
RN	7664-93-9				
RN	12068-85-8				

L69 ANSWER 3 OF 3 WPIDS COPYRIGHT 2003 THOMSON DERWENT on STN
 AN 1993-259246 [33] WPIDS
 TI Production of bonding agent for casting iron, steel, etc. - by reacting heavy oil, rapeseed oil, diesel, tung oil, ferric naphthenate, sulphuric acid, iron sulphide and phthalo cyanine blue NoAbstract.
 DC M22 P53
 IN LI, Y
 PA (LIYY-I) LI Y
 CYC 1

PI CN 1066613 A 19921202 (199333)*
ADT CN 1066613 A CN 1991-107048 19910515
PRAI CN 1991-107048 19910515
IC ICM B22C001-24
FS CPI GMPI
FA NOAB
MC CPI: M22-A

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